Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

RAILWAYS

New York—Grasse River R.R.—This company has obtained a new charter to construct a railway to connect its present line at Cranberry Lake with the St. Lawrence and Adirondack divisions of the New York Central R. R. William T. Turner, Utica, Evan T. Jones, Bradford, Penn., and Walter P. Coaker, Buffalo, are Dirs.

Pennsylvania—Unity Rys.—This company has been incorporated to construct a railway in Allegheny and Westmoreland Counties. Boyer, Jones & Morton, Pittsburgh, Penn., are Attorneys for the company.

✚**Virginia**—Southern Ry.—Contracts for second track work have been awarded by this company to the MORROW CONSTRUCTION CO., Atlanta, Ga., from Orange to Burnley, Va., about 15 miles, and to C. W. LANE & CO., Atlanta, Ga., from Burnley to Charlottesville, about 13 miles. Noted Jan. 21.

Louisiana—Arkansas, Louisiana & Gulf Ry.—This company is being organized to construct a railway from Monroe, La., to Monticello, Ark.

Tennessee—Jellico, Capachins & Western R.R.—This company is being organized to construct a railway, about 30 miles long, in eastern Tennessee, west of Jellico, Tenn.

Illinois—Burlington, Mississippi River & Northern R.R.—This company is being organized for the purpose of constructing a railway from a point near Arpee to Milan, Ill., to connect with the Chicago, Rock Island & Pacific Ry. Wentworth Holmes, Joy, Ill., is interested.

✚**Wisconsin**—Wisconsin & Northern R.R.—This company has awarded a contract to PETER NELSON & CO., Temple Court, Minneapolis, Minn., for grading its proposed line, from a point about five miles north of Van Ostrand, to Crandon, Wis.

Arkansas—Arkansas, Louisiana & Gulf Ry.—See item under Louisiana.

✚**Utah**—Union Pacific R.R.—The CHRISTENSEN CONSTRUCTION CO., Salt Lake City, Utah, has been awarded a contract by this company for double-tracking its line from Ogden to Gateway Bridge in Weber Cañon. Noted Nov. 26.

Utah—Union Pacific R.R.—Press reports state that this company is making preliminary surveys for the construction of a railway from a point on the main line in Wyoming to Park City, Utah. R. L. Huntley, Omaha, Neb., is Ch. Engr.

ELECTRIC RAILWAYS

Meriden, Conn.—The Connecticut Co. contemplates the construction of an electric railway on Capitol Ave., from Main to Lockwood St., in Meriden. Robert P. Lee, Meriden, is Supt.

New Haven, Conn.—The Connecticut Co. has applied to the City Council for a franchise to construct an electric railway on Whaley Ave. to the New Haven County property. F. P. Harlan, New Haven, is Mgr.

Monaca, Penn.—A company is being organized to construct an electric railway from Monaca to Coraopolis. John W. Reid, John J. Allen, D. J. Mitchell, Edward Thomas and H. L. Grimmell are interested.

✚**Andrews, N. C.**—According to press reports the Hiawassee Valley Ry. Co. has awarded a contract to R. L. HERBERT, for constructing an electric railway from Andrews, N. C., to Hiawassee, Ga., about 35 miles. Noted Mar. 5 and Aug. 6.

Columbia, S. C.—Plans are being prepared by the Columbia Ry., Gas & Electric Co., for the reconstruction of its line on Elmwood Ave. Alfred Wallace, Columbia, is Gen. Mgr. and Pur. Agt.

Birmingham, Ala.—The Milner Land Co. has applied to the City Council for a franchise to construct an electric railway from 15th Ave. and 20th St. to Key Circle, in the company's new division. Henry Key Milner is Pres.

Gadsden, Ala.—The Alabama City, Gadsden & Attala Ry. is considering plans to lay new track and build a loop in Gadsden. C. J. Zell, Gadsden, is Gen. Mgr. and Supt.

Shreveport, La.—The Texas-Louisiana Traction Co. contemplates constructing a line from Shreveport to Marshall. A. B. Blevins, Jefferson, is Pres.

Chattanooga, Tenn.—The Chattanooga Traction Co. plans to construct about 20 miles of new track in Chattanooga, during 1915. W. T. Jones, Chattanooga, is Vice-Pres. and Gen. Mgr.

Akron, Ohio—The Northern Ohio Traction & Light Co. plans to construct 2.67 miles of new track this year. Charles Currie, Akron, is Vice-Pres. and Gen. Mgr.

Hobart, Ind.—The Gary, Hobart & Eastern Traction Co. contemplates the construction of 12 miles of new track to connect Glen Park, New Chicago and Hobart. B. J. Schramm, Hobart, is Gen. Supt. and Pur. Agt.

Carbondale, Ill.—The Murphysboro & Southern Illinois Ry. Co. has been granted a franchise to construct an electric railway through Carbondale. This is part of a proposed line to connect Carbondale and Murphysboro, about 12 miles. A. B. Minton, Murphysboro, is Pres. Noted Nov. 19.

Cedar Rapids, Iowa—The Cedar Rapids & Marion City Ry. Co. is preparing plans for the construction of about four miles of new track in Cedar Rapids. E. C. Allen, Cedar Rapids, is Secy. and Gen. Mgr.

Iowa City, Iowa—The Mississippi Valley Electric Co. plans to construct 1½ miles of new track this year. J. O. Schulze is Pres. and Gen. Mgr.

Moberly, Mo.—The Moberly, Huntsville & Randolph Springs Ry. Co. plans to start shortly the construction of its line connecting Randolph Springs, Moberly and Huntsville. Charles H. Dameron, Huntsville, is Pres.

St. Louis, Mo.—The United Rys. Co. of St. Louis contemplates extending its Lee St. line on Taylor Ave. to the city limits. Robert McCulloch, St. Louis, is Pres. and Gen. Mgr.

Dallas, Tex.—L. C. Bradley, representative of the Stone & Webster Engineering Corporation, Boston, Mass., has announced that the company will construct an interurban electric railway from Dallas to Terrell.

Guthrie, Okla.—The Oklahoma Ry. Co. is making preliminary arrangements for the construction of an extension from Edmond to Guthrie, about 17 miles. George W. Knox, Oklahoma, is Vice.-Pres. and Gen. Mgr.

Twin Falls, Idaho—Plans are being prepared by the Sandpoint & Interurban Ry. Co. for the construction of an electric railway from Shoshone Falls to Twin Falls, about five miles. A. Filson, Sandpoint, is Pres., Gen. Mgr. and Pur. Agt.

Los Angeles, Calif.—Plans are being prepared by the Pacific Electric Ry. Co. for the extension of its lines on the East Side, Los Angeles, to Eighth St., Riverside. J. McMillan, Los Angeles, is Gen. Mgr.

Riverside, Calif.—The Riverside, Rialto & Pacific Ry. Co. has been incorporated to construct an electric railway to connect Riverside, Bloomington and Rialto, about ten miles. W. G. Henshaw, William Lees, William H. Metcalf and Henry Chickering are the incorporators.

San Jose, Calif.—The San Jose Terminal Ry. Co. has applied to the City Council for an extension of time on its franchise to construct an electric railway in the northern section of San Jose.

LIGHT, HEAT AND POWER

Greenville, Maine—The Public Utilities Commission has granted the Greenville Light & Power Co. permission to purchase the properties and franchises of the Sangerville Improvement Co., the Sebec Power Co., and the Dover & Foxcroft Light, Heat & Power Co. Louis M. Galusha, Greenville, is Mgr. of the Greenville Light & Power Co.

Waltham, Mass.—It is reported that the Trustees of the Waltham Hospital have recommended the installation of a power plant to furnish light, heat and power for the hospital buildings.

✚★**New Britain, Conn.**—(Official)—The following contracts were awarded, from bids opened Jan. 20, in connection with the construction of the new vocational High School on Bassett St.: Plumbing and electrical work, HANLON & MURPHY, Hartford, at $6000 and $2032, respectively; heating and ventilating, LIBBY & BLINN, Hartford, $11,725. Walter P. Crabtree, 272 Main St., New Britain, is Arch. Noted Nov. 12 and 26, Jan. 14.

Rockville, Conn.—Press reports state that the Rockville Gas & Electric Co. is considering the extension of its transmission lines from Rockville to Vernon Center to furnish electricity to that section. M. J. Cullen, Rockville, is Cont. Agt.

★**Binghamton, N. Y.**—(Official)—Bids were opened Jan. 21, by the State Hospital Commission, Albany, for heating, plumbing and drainage, electrical work, and boiler and stack for the new building for chronic patients at the Binghamton State Hospital. The following are the three lowest bids for each division of the work. Heating: Gaylord Engineering & Construction Co., Binghamton, $19,823; R. T. Ford Co., Rochester, $19,737; George H. Drake, Buffalo, $19,836. Plumbing and drainage: Burns Bros., Syracuse, $13,426; Peter Keeler Building Co., Albany, $13,122; P. J. Sullivan Co., Inc., Syracuse, $14,866. Electrical work: Watson-Flagg Engineering Co., New York, $6428; S. G. Waterman, 817 Broadway, New York, $6643; New York Construction Co., New York, $6315. Boiler and stack: Flood & Van Wirt Co., Hudson Falls, $19,500; R. T. Ford Co., $19,800; Peter Keeler Building Co., $19,922. Noted Jan. 7.

✚★**Lockport, N. Y.**—(Official)—The Board of Education has awarded the contract for plumbing, heating and ventilating systems in the Lockport Union School, recently enlarged and improved, to MAPES & PAYNE, Lockport, at $5700 for the plumbing, and $12,640 for the heating and ventilating work.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 3 p.m., Feb. 1, by C. B. J. Snyder, Supt. of School Bldgs., Park Ave. and 59th St., Borough of Manhattan, for electrical equipment in new Public School 50, Driggs Ave. and South Third St., Borough of Brooklyn.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 10:30 a.m., Feb. 8, by the Department of Public Charities, Room 1091, Municipal Bldg., Borough of Manhattan, for installing new steam lines for carrying ex-

haust steam from the Kings County Hospital, Borough of Brooklyn. John A. Kingsbury is Comr. of Pub. Charities.

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until 3 p.m., Feb. 1, by C. B. J. Snyder, Supt. of School Bldgs., Park Ave. and 59th St., Borough of Manhattan, for electrical equipment in new Public School 91, Central Ave., between Folsom and Fosdick Ave., Glendale, Borough of Queens.

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until 3 p.m., Feb. 4, by the Park Board, Municipal Bldg., Borough of Manhattan, for heating system for the Administration Building, Forest Park, Borough of Queens. Cabot Ward is Pres. of the Park Bd.

Watertown, N. Y.—Horace Sweet, Consult. Engr., Utica, N. Y., has submitted a report estimating the cost of installing a municipal plant for street lighting at $109,756. Plans provide for setting the water wheels in the power house, and constructing a new distributing system to maintain the same number of lamps now used. The existing contract between the city and the Watertown Light & Power Co. allows the city to take over the present street-lighting system for $63,892

Hackettstown, N. J.—Bids for heating and ventilating systems in the new school were opened by the Board of Education, Jan. 21, as follows: E. C Woolfolk & Co., New York, N. Y., $8269; John H. Cooney, Harrison, N. J., $8287; M. J. Salaban, $8555; Alvard & Smith, New York, $8652; Osmun & Co., $10,292; R. A. Cook, $12,059 for "Monarch" system.

Newark, N. J.—It is reported that the Public Service Electric Co. will build a new sub-station for transformer service at Ave. R and Haynes Ave.

Allentown, Penn.—Bids will be received until Feb. 10, by the Board of Education, for the construction and equipment of a power plant, electrical equipment, heating and ventilating systems for the new High School building now under construction. Runyon & Carey, 843 Broad St., Newark, N. J., is Engr. in Charge. Ruhe & Lange, 12 North Sixth St., Allentown, is Arch.

+Holmesburg, Penn.—The Department of Public Health and Charities, Philadelphia, has awarded the contract for the construction of a power plant at the Home for the Indigent, Holmesburg, to the W. W. ANSTINE CO., 1214 Filbert Bldg., Philadelphia, at $56,537. Noted Dec. 3, Jan. 7 and 21.

Yardley, Penn.—Press reports state that the New Jersey & Pennsylvania Traction Co., Trenton, N. J., will erect a 125-ft. stack at its power station at Yardley. Gaylord Thompson, Trenton, is Vice-Pres. and Gen. Mgr.

Quitman, Ga.—See item under "Water Supply—Irrigation."

Lanett, Ala.—The Lanett Cotton Mills, owner of the local electric light plant, will, it is reported, purchase within the next three months, one 200-kv.-a., three-phase, 60-cycle, 600-volt generator, with exciter, switchboard equipment and 25 watt-hour meters. It will also install about 40 additional 100-cp. street lamps. W. Oscar Orr, Lanett, is Electrical Supt.

Winnfield, La.—The Johnson Ice & Light Co. is reported to be considering the establishment of an electric light system, ice factory and refrigerating plant in Winnfield.

Rockport, Ky.—Press reports state that the Town Board has granted a franchise to the Rockport Coal Co. for the installation of an electric light plant at its works in Rockport.

Cedarville, Ohio—The plant of the Cedarville Light & Power Co. will be remodeled and enlarged. It is reported that negotiations are under way for the purchase of this plant by the Dayton Power & Light Co., Dayton, Ohio.

St. Clairsville, Ohio—The Board of Public Affairs has decided to improve the municipal electric light plant. It is reported that several private companies have made offers to furnish power to the town. H. A. Norris is Supt. of the municipal plant.

Youngstown, Ohio—It is reported that bids will be received until Jan. 29, by Beeler Heasley, Dir. of Pub. Ser., for furnishing power and equipment for the new street-lighting system.

Hillsdale, Mich.—Bids will be received until Feb. 24, by the Board of Public Works, for one 300-hp. and one 350-hp. water tube boiler, and stokers for the same. J. C. Hanson is Mgr., Cont. Agt. and Supt. of the municipal electric light plant. Noted Jan. 21.

Monroe, Mich.—The River Raisin Electric Co., Monroe, which recently secured a franchise to furnish electrical power in Carleton, plans also to build power plants in Raisinville and Petersburg. W. H. Knapp, Monroe, is Engr. in Charge.

Sullivan, Ill.—At a recent special election, the citizens voted in favor of a bond issue of $35,000 for the purpose of constructing a municipal electric-light plant.

Des Moines, Iowa—It is reported that the Des Moines Electric Co. has planned to spend more than $500,000 for improvements during this year. The larger part of it will be used for additions to the power plant. New turbo-generators with boilers and auxiliary apparatus will be installed.

+Natoma, Kan.—It is reported that the contract for the construction of a municipal electric light plant has been awarded to the F. D. MARTIN CONSTRUCTION CO., Kansas City, Mo. W. B. Collins & Co., Kansas City, Mo., is Engr.

Blair, Neb.—Press reports state that the Martz Engineering Co., 416 First National Bank Bldg., Lincoln, Neb., is preparing plans for a municipal light plant for Blair to cost about $35,000. Bids will probably be asked in about 90 days.

Madison, S. D.—It is reported that the city will soon call for bids for a directly connected generating unit for the municipal electric light plant, consisting of a 450- to 500-hp. engine and a 350- or 400-kw. alternating current generator. William Rae is City Audr. Noted Jan. 7.

Fairview, Mont.—C. W. Jenison, Fairview, has applied to the City Council for a 30-year franchise to construct and operate an electric light and power plant in Fairview.

Snyder, Tex.—E. F. Renken, who recently purchased the local electric light and power plant, will install some new equipment, including an oil engine. The estimated cost of the improvements is $15,000.

Temple, Tex.—The Temple Gas Light Co. has been granted permission by the Commissioners Court of Bell County to lay its gas mains along the public roads. The company plans to extend its distributing system from Temple to Belton.

+Green River, Utah—The City Council has awarded the contract for the construction of a municipal electric-light and power plant to the GREEN CONSTRUCTION CO., Tooele, Utah, at about $20,000.

Marblemount, Wash.—It is reported that the Stone & Webster interests, Boston, Mass., with offices at Seattle, will shortly begin the construction of a power plant on the Skagit River, 22 miles above Marblemount. Two sites have been secured, and plans are being prepared for the work.

Salem, Ore.—The City Council is considering the question of installing a municipal electric light plant. Preliminary plans estimate the cost at from $200,000 to $250,000. Walter Skelton is City Engr.

BRIDGES

Hartford, Conn.—The Board of Aldermen has requested the Mayor to call a special election for the purpose of voting on an appropriation of $35,000 to be used for rebuilding the Capitol Ave. Bridge over the Park River. Louis R. Cheney is Mayor.

Buffalo, N. Y.—See item under "Buildings."

Hightstown, N. J.—The Board of Chosen Freeholders of Mercer County, Trenton, is considering the construction of a new county bridge near Hightstown to replace the present structure. Theodore Tobish is County Engr.

New Brunswick, N. J.—The Board of Chosen Freeholders of Middlesex County is considering rebuilding the bridge and culvert at Station No. 33, Woodbridge Ave., Woodbridge Township.

+Perth Amboy, N. J.—The Board of Chosen Freeholders of Middlesex County has formally awarded the contract, pending for the last few months (see "Engineering News," of July 30, 1914) for a bridge at Convery Place, over the tracks of the Lehigh Valley R.R., to HENRY W. SCHRIMPF, at $33,679. It is understood that a sub-contract will be awarded for the masonry work.

+Baltimore, Md.—The State Roads Commission has awarded the contract for the construction of Sections 7 and 8, 500 and 100 ft. long respectively, of the Hanover St. Bridge to the RAYMOND CONCRETE PILE CO., Munsey Bldg., Baltimore, at $104,058. The contract for sheet asphalt paving, 50 ft. wide, on a part of the bridge, was awarded to P. FLANIGAN & SONS, 14 East Lexington St., Baltimore, at $72,781.

Richmond, Va.—The Administrative Board has authorized T. Crawford Redd to prepare preliminary plans for a reinforced-concrete viaduct over Shockoe Creek Valley between Richmond and Barton Heights. Charles E. Bolling is City Engr.

Elkins, W. Va.—Bids will be received until Mar. 1, by the Randolph County Court, Elkins, for the construction of a number of bridges on several county turnpikes. All bridges will be of either concrete or reinforced-concrete.

Rome, Ga.—(Official)—The date has not yet been fixed for receiving bids for the construction of three bridges. There will be two 300-ft. bridges over the Etowah River, and a 300-ft. drawbridge over the Oostanaula River. Concrete arches will be used wherever possible. J. E. Greiner, Baltimore, Md., and W. C. Spiker, Atlanta, Ga., are Consult. Engrs. Kieffer Lindsey is County Engr. of Floyd County, Ga. Noted Dec. 3 and Jan. 14.

Okolona, Miss.—(Official)—Bids will be received until noon, Feb. 1, by the Board of Supervisors of Chickasaw County, for the construction of nine steel or concrete bridges in District No. 3. H. E. Brannon, Houston, Miss., is Chancery Clk. J. D. Williams, Okolona, is Deputy Clk.

Fayetteville, Tenn.—It is reported that the Tennessee & Alabama R.R. Co. will build a 100-ft. bridge in connection with a railway, 34 miles, to be built between Fayetteville, Tenn., and Huntsville, Ala. J. E. Hurd is Ch. Engr.

Zanesville, Ohio—Bids will be received until Feb. 1 by the Board of Commissioners of Muskingum County for the steel superstructure of a 51-ft. bridge. Fred C. Werner is Clk. of Comrs.

East Gary, Ind.—The Commissioners of Lake County, Crown Point, have, it is reported, voted an appropriation of $25,000 for the construction of a bridge over the Deep River at East Gary. Noted Sept. 24, 1914, under Crown Point.

Hammond, Ind.—The Board of Commissioners of Lake County, Crown Point, has made an appropriation for the construction of a steel bridge over the Calumet River at Calumet Ave., Hammond.

+Laporte, Ind.—(Official)—The Board of Commissioners of La Porte County has awarded the contract for the construction of 12 steel bridges, ranging from 24 to 46 ft. long, to the ROCHESTER BRIDGE CO., Rochester, Ind. Fred A. Hausheer is County Audr. Noted Jan. 14.

+Portland, Mich.—The Township Board has awarded the contract for the construction of a single-span girder bridge over the Lookingglass River near the plant of the Portland Milling Co. to the WYNKOOP-McGORMLEY CO., Toledo, Ohio, at $7998.

Atkinson, Ill.—(Official)—Bids will be received until 2 p.m., Feb. 1, at the Town Hall, Atkinson, for the construction of the Jerome Black and Lewis Bridges, Cornwall Township, Henry County. They will be 22 ft. and 60 ft. long respectively, with 16-ft. roadways, both of reinforced-concrete. James H. Reed, Cambridge, Ill., is County Supt. of Highways.

Cairo, Ill.—The Mobile & Ohio R.R. is preparing to begin work on its bridge over the Ohio River at Cairo. The estimated cost is $2,500,000. W. H. Wells, Washington, D. C., Ch. Engr. of Const. for the Southern Ry., will be in charge of the work. Noted July 30 and Sept. 3, 1914.

✝Lebanon, Ill.—(Official)—The County Superintendent of Highways of Christian County has awarded the contract for the construction of three reinforced-concrete bridges, two in O'Fallon Township, and one in Shiloh Valley Township, to the EAST ST. LOUIS BRIDGE CO., East St. Louis, Ill., at $8812 for the three. D. O. Thomas is County Supt. of Highways. Noted Dec. 17.

Princeton, Ill.—(Official)—Bids will be received until 2 p.m., Feb. 9, by F. R. Bryant, County Supt. of Highways of Bureau County, for the construction of the Captain Swift Bridge, Princeton Township. It will have a 120-ft. steel span with an 18-ft. roadway. The estimated cost, including retaining wall and back fill, is $8530. Bids will be received at the same time for two small reinforced-concrete bridges, No. 1, Gold Township, and No. 6, Manlius Township.

Sorento, Ill.—(Official)—Bids will be received until 11 a.m., Jan. 30, by R. O. Young, County Supt. of Highways of Bond County, Central Hotel, Sorento, for the construction of the Mount Moriah Church Bridge, between La Grange Township, Bond County, and East Fork Township, Montgomery County, and for the Pence Bridge, between Shoal Creek Township, Bond County, and Walshville Township, Montgomery County.

Appleton, Wis.—(Official)—We are advised that the matter of a new bridge over the Wolf River at Lawe St. has been dropped for the present. E. L. Williams is City Clk. Noted Sept. 17.

Corning, Iowa—(Official)—Bids will be received until noon, Feb. 1, by the Board of Supervisors of Adams County for bridge and culvert supplies and construction material, and for the construction of one or more concrete culverts. F. W. Yeadon is County Audr.

Fraser, Iowa—It is reported that the Fort Dodge, Des Moines & Southern R.R. Co., Boone, Iowa, will soon replace its wooden bridge over the Des Moines River at Fraser with a reinforced-concrete structure about 800 ft. long, estimated to cost $40,000. C. H. Crooks, Boone, is Gen. Mgr. of the company.

Nevada, Iowa—Bids will be received until Jan. 29, by the Auditor of Story County, for the construction of 191 reinforced-concrete bridges and culverts, and a steel bridge with concrete floor.

✝Spencer, Iowa—The Board of Supervisors of Clay County has awarded the contract for the construction of a bridge over the Little Sioux River at the south end of Main St., to the THOR CONSTRUCTION CO., Cedar Falls, Iowa, at $30,121. Noted Nov. 26.

Austin, Minn.—(Official)—Bids will be received until 2 p.m., Feb. 5, by the County Board of Commissioners of Mower County, for bridge material to be delivered between Apr. 1 and Nov. 1, 1915, at any station in Mower County most convenient to proposed bridges as ordered by the District Engineer. W. H. Goodsell is Chn. of County Bd. O. J. Simmons is County Audr.

Ivanhoe, Minn.—Bids will be received until 1 p.m., Feb. 10, by Karl A. Hansen, Audr., of Lincoln County, for the construction of Bridge No. 1275. It will have a concrete floor on reinforced-concrete foundation.

✝Anthony, Kan.—(Official)—The Board of Commissioners of Harper County has awarded the contract for the construction of five reinforced-concrete bridges, from 23 to 299 ft. long, to W. N. McELROY, Fort Scott, Kan., at $11,750. The contract for the construction of seven low-water bridges was awarded to the STAMEY-MACKEY CO., Hutchinson, Kan., at about $5000. Noted Dec. 17 and 31.

✝Geneva, Neb.—(Official)—The Board of Commissioners of Fillmore County has awarded the contract for the construction of all steel bridges in the county during 1915 to FRANK CRAVEN, Exeter, Neb. The contract for all concrete bridges for the same period was awarded to J. W. KEMP, Shickley, Neb. Bert A. Lynn is County Clk. Noted Dec. 24.

Seward, Neb.—Bids will be received until 1 p.m., Feb. 3, by J. R. Roberts, Clk. of Seward County, for all county bridge work during 1915. About 25 bridges will be built or repaired.

✝York, Neb.—(Official)—The Board of Commissioners of York County has awarded the contract for bridge work in the county during 1915 to the WESTERN BRIDGE & CONSTRUCTION CO., Bee Bldg., Omaha, Neb. Noted Dec. 31.

✝Warrensburg, Mo.—The County Court of Johnson County has awarded the contract for the construction of about 30 steel bridges in the county during 1915 to the EAST ST. LOUIS BRIDGE CO., East St. Louis, Ill., at $10,993. Other bidders were: Decatur Bridge Co., $11,450; Leavenworth Bridge Co., $11,885; Illinois Steel Bridge Co., $13,433; Midland Bridge Co., $11,991; Western Bridge Co., $11,354; Kansas City Bridge Co., $12,100; Vincennes Bridge Co., $11,643.

Palo Pinto, Tex.—Bids will be received until Feb. 8, by the Commissioners Court of Palo Pinto County, for the construction of bridges and culverts on the roads of District No. 1. J. W. Brock, Palo Pinto, is County Clk. James C. Travilla, Mineral Wells, Tex., is Engr.-in-Charge.

✝Pueblo, Colo.—(Official)—The City Council has awarded the contract for repairing the First St. Bridge over the Fountain River, to the PUEBLO BRIDGE CO., Pueblo. John M. Jackson is City Clk. Noted Jan. 14.

Kooskia, Idaho—It is reported that the Commissioners of Idaho County, Grangeville, are considering an appropriation of $18,000. This sum will be used for building a bridge over the Middle Fork of the Clearwater River near Kooskia.

Mounds, Utah—E. R. Morgan, Salt Lake City, State Road Engr., has recommended to the State Board of Examiners the building of a steel bridge, to cost about $5700, over the Price River at Mounds, Emery County.

Pima, Ariz.—It is reported that bids will be received until Feb. 1, by the Commissioners of Graham County, Solomonsville, for the construction of a bridge over the Gila River, one mile from Pima. The bridge will be 425 ft. long with a 16-ft. roadway, and approaches of 100 and 150 ft. Benjamin Blake is County Clk.

Mayfield, Wash.—Plns have been completed by John S. Ward, Engr. of Lewis County, Chehalis, for a new steel bridge over the Cowlitz River at Mayfield. The estimated cost is $30,000. The bridge will be 200 ft. long, and about 100 ft. above the water level.

Seattle, Wash.—It is reported that the City Council contemplates holding a special election Mar. 2, and submitting to the voters the question of building bridges over Lake Washington Canal. The previous issue of bonds for this purpose has recently been declared invalid by the Supreme Court of Washington. Noted Dec. 3 and 10, 1914, Jan. 7 and 21, 1915.

Bakersfield, Calif.—The lowest bid received by the Board of Supervisors of Kern County for the construction of pile bridges, culverts, reinforced-concrete headwalls, etc., on the Bakersfield-McKittrick Rd., was that of Castro & Blaisdell, Bakersfield, at $12,987.

Red Bluff, Calif.—Plans have been prepared for the construction of three bridges on the route of the state highway leading from Red Bluff to the Shasta County line. The bridges will span Dibble, Blue Tent and Return Creeks, and the total cost will be about $16,000. Bids for their construction will not be asked until work is begun on this section of the highway.

Redwood City, Calif.—Bids will be received until Feb. 1, by the Board of Supervisors of San Mateo County, for the construction of a timber trestle over Tobin Creek on the Colma-Edgemar Rd. James V. Neuman is County Surv.

✝Sacramento, Calif.—(Official)—The Board of Supervisors of Sacramento County has awarded the contract for the construction of a reinforced-concrete bridge on the Orangevale-Folsom Rd. to the W. N. CONCANNON CO., Underwood Bldg., San Francisco, Calif., at $5800. Noted Dec. 31.

WATER SUPPLY—IRRIGATION

Boston, Mass.—Bids will be received until Jan. 30, by the Public Works Department, for 825 tons of iron castings for the water- and sewer-systems. L. K. Rourke is Comr. Noted Jan. 14.

Indiana, Penn.—(Official)—Plans are being prepared by Robert H. Wilson, Saltsburg, Penn., for the improvement of the water-system for the Clymer Water Co. The work will include additional apparatus for softening, improvements to the filtration plant and new buildings. Noted Jan. 21.

Lynchburg, Va.—A resolution has been adopted by the Council providing for the purchase of an additional pump for the water-system. An appropriation of $22,000 has been made. H. L. Shaner is City Engr.

Shepherdstown, W. Va.—According to press reports, R. C. Ringgoll, R. Stalnaker and W. Howard Hamilton have applied for a franchise for the installation of a water system.

✝Hartwell, Ga.—(Official)—The contract for constructing water and sewer systems has been awarded to the J. B. McCRARY CO., Atlanta, at about $46,000. Noted Aug. 20 and Sept. 17.

Quitman, Ga.—Press reports state that there were 86 bidders for the construction of a water system and electric light plant. Bonds for $40,000 were voted for this purpose. Noted July 2 and Sept. 24.

New Smyrna, Fla.—On Jan. 12 the citizens voted bonds for $47,000, the proceeds of which will be used for the construction of a water system. Noted Oct. 8 and Nov. 26.

Bowling Green, Ky.—The city contemplates constructing a sedimentation basin. F. J. Nolan is City Clk.

Barberton, Ohio—The City Council contemplates issuing bonds for $17,000, the proceeds of which will be used for making extensions to the water system.

Bridgeport, Ohio—Bonds for $23,500 have been voted, according to press reports. The proceeds will be used for the installation of water and sewer systems.

Chillicothe, Ohio—H. M. Redd, City Engr., has been authorized to prepare plans for the installation of a municipal water system.

Columbus, Ohio—Bids will be received until Feb. 12, by the Director of Public Service, for 25 4-in., 300 6-in., 50 8-in., 10 12-in., 6 16-in. (horizontal) and 4 20-in. (vertical) valves.

✝Columbus, Ohio—The contract for c.-i. pipe for the water-system has been awarded by the city to the AMERICAN CAST IRON PIPE CO., at $45,850.

Dayton, Ohio—Plans have been prepared by Pollard & Ellms, Cincinnati, for making extensions to the water system. The estimated cost is $580,500. Noted Aug. 13.

Euclid, Ohio—The citizens plan to spend $7000 for the construction of a water system.

Mingo, Ohio—An election will soon be held to vote on the question of issuing bonds for $39,000, the proceeds of which will be used for the purchase and improvement of the water-system.

✝New Boston, Ohio—Contracts have been awarded to STANDARD SUPPLY CO., Portsmouth, at $16,468 for material and to PHILLIPS & WATKINS, at $7882 for labor, for completing the water system. Bids were opened Jan. 11. Thomas S. O'Neal is City Clk. Noted Dec. 31.

Shaker Heights, Ohio—(Cleveland post office)—Bids will be received until noon, Feb. 16, by Carl A. Palmer, Village Clk., First National Bank, Cleveland, for constructing an 8-in. water-main in South Moreland Blvd. Noted Dec. 31.

South Newburg, Ohio—(Newburg post office)—Bids will be received until noon, Feb. 6, by H. H. Bohning, Village Clk., for laying water mains in Granger and Turney Rd. Plans are on file with R. Hecker, Leader-News Bldg., Cleveland. Noted Dec. 31.

Wellington, Ohio—(Official)—The W. J. Sherman Co., Nasby Bldg., Toledo, Ohio, has been retained by the city of Wellington, to prepare plans for the improvement of the water-system and for the installation of a filtration plant.

Wooster, Ohio—The Council has authorized the expenditure of $125,000 for the construction of a water-system. Noted Dec. 3.

Michigan City, Ind.—Bids will soon be received, according to press reports, for the completion of the force main from the waterworks to Second and Wabash St. The Krehbiel Co., 140 S. Dearborn St., Chicago, Ill., is Engr. Noted June 4 and July 2.

Orion, Mich.—Press reports state that bids will be received until Feb. 15, by the city, for laying 27,000-ft. of c.-i. water pipe; two 8-in. wells, a pumping station, triplex pumps, belt driven motor and a 75,000-gal. steel tank on a 110-ft. tower. The estimated cost is $35,000. Patrick W. Keating, Detroit, is Consult. Engr. Noted Oct. 8.

Schoolcraft, Mich.—The citizens will soon vote on the question of issuing bonds for $22,000, the proceeds of which will be used for the construction of a water system.

†Area, Ill.—(Official)—Contracts have been awarded to the CHICAGO BRIDGE & IRON CO., 105th and Troop St., Chicago, at $3285, for tank and tower; AMERICAN WELL WORKS, Aurora, at $880, for power pumping plant and to R. H. LUEBBE, Area, at $730, for pumping station. Bids were opened Jan. 4. Noted Dec. 17.

East Peoria, Ill.—(Peoria post office)—(Official)—Bids will be received by the Village Board until 7:30 p.m., Feb. 8, for constructing a water system, including a storage reservoir, tubular wells, pumping plant, and pumping station. Plans are on file with B. H. Reichelderfer, Village Clk., and Arthur Marshall Morgan, Harris Trust Bldg., Chicago. Noted July 30 and Aug. 13.

Ipava, Ill.—Bids will be received until 1 p.m., Feb. 5, by the Village Clerk, for making improvements and extensions to the water system. The Fuller Coult Co., Chemical Bldg., St. Louis, Mo., is Engr. Noted Jan. 14.

Lewistown, Ill.—Bids will be received until Feb. 4 by the City Council, for installing a water-system. About 7115 ft. of class B, c.-i. pipe, 2100 lb. of special castings, gate valves, an 80,000-gal. steel tank, and a steam pump will be required.

Paris, Ill.—Fleming & Babbitt, Consult. Engr., Champaign, has been retained by the city, for the construction of a reservoir and a filtration plant. Bonds for $90,000 were voted by the citizens, the proceeds of which will be used for the water-works improvement. J. C. Riedel is City Clk. Noted Nov. 12.

†Elliott, Iowa—The contract has been awarded to E. J. HECKEL, Kansas City, at $6002, for laying water mains.

Pella, Iowa—Bonds for $10,000 have been voted by the citizens, the proceeds of which will be used for the extension of the water system. A. C. Kuyper is City Clk.

Kinney, Minn.—Plans have been prepared and submitted to the Council for the construction of a new water-system.

Hutchinson, Kan.—The United Water, Gas & Electric Co. plans to build an addition to its plant and install a 600-hp. boiler. The estimated cost is about $15,000.

St. Paul, Neb.—The citizens contemplate spending $23,000 for the improvement of the municipal pumping station and for the construction of an electric-light plant.

Billings, Mont.—Bids will probably be received until Feb. 20, for constructing an extension to the water-system. The estimated cost is $110,000. Six mechanical filters and one reservoir will be constructed. Burns & McDonnell, Scarritt Bldg., Kansas City, Mo., is Engr. Noted Nov. 12, Dec. 10 and Jan. 14.

Glasgow, Mo.—The installation of a centrifugal pump, directly connected to an electric motor of 432,000 gal. per 24 hr. against a head of 50 ft., is contemplated by the city. R. L. Blacet is Waterworks Supt.

Rison, Ark.—A. C. Moore, Engr., Bartlett Bldg., Joplin, Mo., has prepared plans for the installation of a water-system and electric-light plant. The estimated cost is $40,000. A. B. Robertson, Rison, is in charge. Noted July 23.

Austin, Tex.—An appropriation of $10,000 has been made by the City Council for making extensions and improvements to the water system. M. C. Welborn is City Engr.

Coleman, Tex.—The citizens contemplate constructing a new reservoir. Jerry Lewis is Waterworks Supt.

Cuero, Tex.—The City Council has authorized the expenditure of $5000 for making improvements and extensions to the water-system.

Donna, Tex.—The irrigation system of La Donna Canal Co. has been purchased by the Donna Irrigation District. Improvements, estimated to cost $457,000, are contemplated. Noted Sept. 17.

†Eagle Pass, Tex.—The contract for installing a pumping plant to irrigate about 7000 acres has been awarded to the HUMPHREY GAS PUMP CO., Syracuse, N. Y., at about $60,000, by the G. Bedell Moore estate. Alexander Potter, New York, N. Y., is Engr.

Temple, Tex.—The construction of a concrete dam and spillway over the Leon River at the pumping station is contemplated by the city. R. D. Morgan is City Engr. The estimated cost is $25,000.

Guthrie, Okla.—(Official)—At an election held Jan. 14, the question of issuing bonds for $50,000 was defeated by the citizens. The proceeds was to have been used for the extension of the municipal water system. J. E. Nissley is Mayor. Noted Jan. 7.

Oklahoma, Okla.—At an election held Jan. 15, the citizens defeated the bond issue for $240,000, the proceeds of which was to have been used for the construction of reservoirs for the water-supply. Guy V. McClure is City Engr. Noted Nov. 5 and Jan. 7.

†Aguilar, Colo.—The contract for constructing a water-system has been awarded to O'BRIEN & SON CO., Denver, at $12,000.

†Denver, Colo.—According to press reports the contract has been awarded to WILLIAM O'GARA and PHILLIPS CONSTRUCTION CO., at about $300,000, by the Union Water Co. for constructing a six-mile conduit.

Williams, Ariz.—The Williams Water & Electric Co., Trust & Savings Bldg., Los Angeles, Calif., plans to build a 250,000,000-gal. dam. The estimated cost is $75,000. B. R. Ellis is Gen. Mgr.

Anacortes, Wash.—An election will be held Mar. 16, to vote on the question of issuing bonds for $350,000. The proceeds will be used for the purchase of the water-system and for making improvements. Noted Dec. 3.

Raymond, Wash.—An election will be held Jan. 30, to vote on the question of issuing $117,000 in bonds, the proceeds of which will be used to purchase the water-system of the Raymond Light & Water Co. About $22,000 will be spent for the improvement of the system. Noted Dec. 24.

Wenatchee, Wash.—The water users of the Highland canal system voted in favor of forming an irrigation district to include all the territory under the canal system. Conrad Rose is a Dir.

Echo, Ore.—Plans will soon be filed with State Engineer Lewis, Salem, for the construction of a reservoir and irrigation ditches in Umatilla County. The estimated cost is $250,000.

Pendleton, Ore.—The Western Land & Irrigation Co. has had surveys made for the construction of a reservoir in the Alkali Cañon and for a canal system. The estimated cost is $250,000. W. R. Hinkle is Engr.

Corning, Calif.—According to press reports bonds for $30,000 were voted by the citizens, the proceeds of which will be used for making extensions to the water and the sewer systems. E. L. Randall is City Clk. Noted Nov. 26.

Dunsmuir, Calif.—The California-Oregon Power Co. plans to lay about 5000 ft. of mains with service taps, specials and gate valves. The estimated cost is $10,000. H. S. Walther, Medford, Ore., is Gen. Supt.

Alexandria, Ont.—An expenditure of $5000 is contemplated for the improvement of the water plant.

Dunnville, Ont.—A by-law has been passed by the ratepayers authorizing the construction of a water system. The estimated cost is $12,000.

Hespeler, Ont.—A bond issue for $35,000 has been authorized by the ratepayers. The proceeds will be used for the construction of a stand pipe and reservoir for the water system.

Newmarket, Ont.—The Town Council plans to construct a water-system, estimated to cost $15,000. P. J. Anderson is Clk.

Victoria, B. C.—(A correction)—In the issue of Jan. 7, under the heading "Victoria, B. C.," it was stated that the city of Victoria had raised $130,000 to commence the Sooke Lake Water Project, with DuCane, Dutcher & Co., Consult. Engr. This was incorrect, the facts being that the Sooke Water System, which cost about $1,500,000, is nearly completed. Wynn Meredith, of the firm of Sanderson & Porter, is the Consult. Engr. of the city, and H. B. Ferguson, who is a partner of the firm of DuCane, Dutcher & Co., has merely been employed by the city for the past month as an expert witness in a lawsuit between the city and the contractors. In some way, several papers have misconstrued the position held by H. B. Ferguson, and have assumed wrongly that he has been appointed consulting engineer in lieu of Wynn Meredith. H. B. Ferguson is sure that Wynn Meredith's work has been most satisfactory to the city. This correction has been made at the request of H. B. Ferguson. Noted Jan. 7.

SEWERS

Boston, Mass.—Bids will be received until Jan. 29, by the Public Works Department, for constructing pipe sewers and drains in Marcella and Sheridan St., Roxbury District. L. K. Rourke is Comr.

Boston, Mass.—Bids will be received until Feb. 1, by the Public Works Department, for work at the Orleans St. outlet, East Boston District. L. K. Rourke is Comr.

Cambridge, Mass.—Bids will be received until Jan. 29, by the Engineering Department, for sewer brick, pipe, cement, broken stone and iron castings for the year 1915. Lewis M. Hastings is City Engr.

New Haven, Conn.—Bids will be received until Feb. 11, by Frederick L. Ford, City Engr., for constructing a storm water sewer in Edgewood Ave.

Buffalo, N. Y.—The City Council has authorized the construction of tile sewers in Leslie and Zenner St. Francis G. Ward is Dir. of Pub. Serv.

Kenmore, N. Y.—According to press reports plans have been approved by the State Board of Health for the installation of a sewer system. Matthew D. Young is Village Pres.

New York, N. Y.—(Borough of the Bronx)—(Official)—Bids will be received until 10:30 a.m., Feb. 2, by Douglas Mathewson, Pres., Borough of the Bronx, for constructing a sewer in Tyndall Ave.

New York, N. Y.—(Borough of the Bronx)—(Official)—Bids will be received until 10:30 a.m., Feb. 2, by Douglas Mathewson, Pres., Borough of the Bronx, for constructing sewers in Pennyfield Ave., Chaffee Ave. and Throgs Neck Blvd.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 11 a.m., Feb. 10, by L. H. Pounds, Pres., Borough of Brooklyn, for constructing sewers in Prospect Pl., Nostrand Ave., Dean St., and Brooklyn Ave.; in Tompkins Ave., Fulton St., and in Brooklyn Ave.; in Macon St., Lewis Ave., Chauncey St., and in Troy Ave.

New York, N. Y.—(Borough of Richmond)—(Official)—All bids received Jan. 19, for constructing a sewer in 12th St., and a receiving basin on the north side of Richmond Terrace, have been rejected. The work will be readvertised. Noted Jan. 14.

Newark, N. J.—The Board of Street and Water Commissioners plans to lay 10-in. pipe sewers in Amsterdam, Niagara, Frankfort, Margaretta, Clifford and Lexington St. M. R. Sherrard is Ch. Engr.

✚Paterson, N. J.—(Official)—The contract for constructing Section 18, central portion, of the Main Intercepting Sewer has been awarded to MASON, HILTON & CO., 17 Battery Pl., New York, N. Y., at $158,450. List of bidders noted Jan. 14.

Hagerstown, Md.—A Sewerage Commission will be appointed by the city to take charge of the installation of a sewage system. J. McPherson Scott is Mayor.

✚Hancock, Md.—The contract for constructing a sewer system has been awarded to W. H. ANGLE, Hagerstown, Md., at $8200. Alfred Quick is Engr.

Dayton, Va.—An election will be held Feb. 16 to vote on the question of issuing bonds for $24,500, the proceeds of which will be used for the installation of a sewer system.

Parkersburg, W. Va.—An election will be held Feb. 2 to vote on the question of issuing bonds for $200,000, the proceeds of which will be used for the construction of sewers. Allen C. Murdoch is Mayor.

Anderson, S. C.—The city contemplates issuing bonds for $25,000, the proceeds of which will be used for the construction of a sewer system. W. A. Sanders is City Engr.

✚Louisville, Ga.—The contract has been awarded to the MACON ENGINEERING & CONSTRUCTION CO., Macon, according to press reports, for making extensions to the sewer system.

New Smyrna, Fla.—At the January election the citizens voted in favor of issuing bonds for $12,000, the proceeds of which will be used for the construction of a sewer system. The estimated cost is $36,000, two-thirds of which will be paid by the property owners. The J. B. McCrary Co., Atlanta, Ga., is Engr. Noted Sept. 24.

Okolona, Miss.—Frank L. Wilcox, Chemical Bldg., St. Louis, Mo., has made a survey and completed a report for the installation of a sewer system. The estimated cost is $60,000. Noted Sept. 24.

Bridgeport, Ohio—See item under "Water Supply-Irrigation."

Cleveland, Ohio—(Official)—Bids will be received by the Commissioner of Purchases and Supplies, until noon, Feb. 4, for constructing sewers in various streets.

Indianapolis, Ind.—Press reports state that bids will be received by Charles A. Brown, Engr.-in-Charge of Sewers, until Feb. 15 for constructing a main sewer in East 10th St.

Winchester, Ind.—(Official)—Bids will be received by the Common Council until 8 p.m., Feb. 3, for the construction of a sewer.

Grand Rapids, Mich.—(Official)—Plans for a sewage-treatment works will be made to satisfy a court order. L. D. Cutcheon is Secy. and Gen. Mgr., Bd. Pub. Wks.

★Milwaukee, Wis.—(Official)—Bids will be received by the Sewerage Commission, City Hall, until 2 p.m., Feb. 24, for constructing intercepting sewers on both sides of the Milwaukee River in Milwaukee. For particulars see advertisement under "Contracts to Be Let."

Waupaca, Wis.—Press reports state that C. W. Nelson, City Engr., will award a contract early in the spring for the construction of one half mile of 8-in. vitrified pipe sewer.

Valley Falls, Kan.—Bids will be received by the City Clerk, until Feb. 1 for the construction of sewers and a sewage disposal plant. Worley & Black, Kansas City, Mo., are Engrs.-in-Charge.

✚Carthage, Mo.—A contract for constructing a sewer in the eastern section of the city has been awarded to the PLUMMER-ADAMS CO., Springfield, at $17,352. Other bids were: J. Spandin, $19,044; V. E. Koch, Joplin, $18,267; P. J. McNearney, Carthage, $18,370; Ozark Engineering Co., $18,792, and J. A. Pringle, Topeka, $17,612. Noted Sept. 3.

Springfield, Mo.—(Official)—Bids will be received by S. R. Fisher, City Engr., until Feb. 2 for constructing about five miles of sewers. The approximate cost of the work is $55,000.

Springfield, Mo.—(Official)—A communication from S. R. Fisher, City Engr., states that the contract for constructing a sewer in the Eighth Ward will not be let for some time. The cost of this work will be $28,000 instead of $80,000 as noted in the issues of Nov. 12 and Jan. 14.

Afton, Okla.—At the election held Jan. 21, the citizens voted in favor of issuing $37,000 in bonds for constructing a sanitary and storm sewer system. The Benham Engineering Co., Oklahoma, Okla., is Consult. Engr. Noted Dec. 3 and Jan. 14.

Portland, Ore.—The following bids were received by the City Council, Jan. 14, for constructing the Willow St. extension of the East Stark St. trunk sewer, (a) reinforced-concrete pipe, (b) monolithic, (c) reinforced-concrete: Guthrie McDougall Co., (a) $163,234, (b) $181,769; Giebisch & Joplin, (a) $154,382, (b) $161,894; Montague-O'Reilly Co., (b) $162,450; James Kennedy, (a) $172,663; J. F. Shea, (a) $162,973, (c) $172,792; Oregon Independent Paving Co., (a) $160,461, (c) $165,853; William Lind, (a) $148,639, (c) $169,468. Noted Dec. 24.

Corning, Calif.—See item under "Water Supply—Irrigation."

✚Lincoln, Calif.—Press reports state that a contract for constructing a sewer system has been awarded by the City Trustees to FRANK McINTYRE, Stockton, Calif.

✚Los Angeles, Calif.—(Official)—The contract for constructing a reinforced-concrete sewage-disposal plant has been awarded to the LOS ANGELES PLANING MILL CO., 1800 Industrial St., Los Angeles, Calif., at $4237. Noted Nov. 12.

Kenora, Ont.—Press reports state that the City Council contemplates an expenditure of $500,000 for the construction of a sewer system and a sewage disposal plant. T. A. Murray, 186 King St., W., Ontario, Ont., is Engr.

Vernon, B. C.—Press reports state that the City Council contemplates enlarging the sewage disposal plant and constructing an under-drainage system. The estimated cost of the work is $100,000.

STREETS AND ROADS

Buffalo, N. Y.—Bids will be received by the Department of Public Works until Jan. 27 for paving Court Pl., Homer Ave., Churchill and other streets.

✚New York, N. Y.—(Borough of Brooklyn)—(Official)—The contract for improving a number of streets has been awarded to the CRAWFORD CO., 52 Ninth St., New York, at about $65,626. Noted Jan. 7.

New York, N. Y.—(Borough of the Bronx)—(Official)—Bids will be received by Douglas Mathewson, Pres. Borough of Bronx, until 10:30 a.m., Feb. 2, for improving Jackson Ave., from 141st to 149th St., and Mosholu Ave.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by F. J. H. Kracke, Comr. of Bridges, until 2 p.m., Feb. 4, for repairing asphalt pavements on the Harlem River bridges.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by Marcus M. Marks, Pres. Borough of Manhattan, until 2 p.m., Feb. 4, for regulating and regrading 155th St., from Broadway to Riverside Drive, and for widening a section of Riverside Drive.

Bridgeton, N. J.—The Commissioners of Cumberland County voted in favor of issuing $24,000 in bonds to build a state road through Vineland to the Atlantic County line and another from Millville to the Mauricetown Bridge to connect with a road in Cape May County.

Deal, N. J.—Press reports state that all bids received Jan. 4 for paving Norwood Ave. with amesite were rejected.

Beaver, Penn.—(Official)—Bids will be received by Philip H. Stevenson, Borough Secy., until 7:30 p.m., Feb. 9, for paving a section of Canal St.

Greenville, Penn.—(Official)—Bids will be received by J. M. Hittle, Borough Secy., until 7 p.m., Feb. 8, for paving College Ave., from Main St. to Packard Ave., and Columbia Ave., from Main St. to East Ave.

✚Philadelphia, Penn.—A contract for resurfacing asphalt streets during the year 1915 has been awarded to the EASTERN PAVING CO., Baxter Blk., Philadelphia.

Yardley, Penn.—The State Highway Commission has commenced surveys for an improved highway along the Delaware River from Yardley to Kintnersville. It will be about 35 miles, passing through New Hope.

Baltimore, Md.—Bids will be received by the Board of Awards, City Hall, until Feb. 3, for grading, curbing and paving a number of streets with sheet asphalt, vitrified and granite block.

Raleigh, N. C.—Press reports state that East Martin St. from Fayetteville to Blount St. will be paved with asphalt.

Wilmington, N. C.—Press reports state that the City Council and County Commissioners voted in favor of issuing $150,000 in bonds for improving roads.

Columbia, S. C.—Press reports state that bonds for $60,000 have been sold, the proceeds of which will be used for paving streets and roads.

West Palm Beach, Fla.—Press reports state that the City Council rejected all bids that were received Jan. 5 for macadamizing 40,000 sq.yd. and surfacing 30,000 sq.yd. J. B. McCrary Co., Atlanta, Ga., is Engr.

✚Tuskegee, Ala.—A contract for constructing about 10,000 lin.ft. of curb and gutter has been awarded to W. C. CAMPBELL, Columbus, Ga., at 49c. per lin.ft.

Mansfield, La.—(Official)—Bids will be received until noon, Feb. 2, for paving 4½ miles of sidewalks with concrete. L. E. Colvin is Clk. of the Town Council.

Carlisle, Ky.—The citizens of Nicholas County will vote at an election to be held Mar. 27, on the question of issuing $125,000 in bonds. The proceeds of these bonds will be used for constructing and improving roads.

Greenup, Ky.—At the election held Jan. 19, the citizens of Greenup County voted in favor of issuing $200,000 in bonds for constructing roads. Noted Dec. 24.

Louisville, Ky.—Bids will be received by the Board of Public Works until Feb. 3 for paving a number of streets with bituminous concrete. The estimated cost of the work is $36,000.

Mt. Vernon, Ky.—According to press reports the Commissioners of Rockcastle County contemplate issuing $100,000 in bonds for constructing roads. Noted Nov. 26.

Cincinnati, Ohio—(Official)—Bids will be received by Philip Fosdick, Dir. Pub. Ser., until noon, Feb. 2, for constructing concrete sidewalks in Districts No. 1, 2, 3 and 4 for the year 1915.

✚Cincinnati, Ohio—(Official)—The contract for improving a section of Harrison Ave. has been awarded to BREHM BROS., Cincinnati, at $87,797. Noted Dec. 31.

Cleveland, Ohio—Bids will be received by the Commissioner of Purchases and Supplies, until noon, Feb. 4, for furnishing, laying, relaying and repairing stone and concrete sidewalks.

Norwalk, Ohio—(Official)—Bids will be received by A. W. Carpenter, Dir. Pub. Ser., until noon, Feb. 4, for improving Corwin St.

Sandusky, Ohio—Press reports state that plans have been prepared by Edward Wagner, City Engr., for paving Polk St. The estimated cost of the work is $8000.

Shaker Heights, Ohio—(Cleveland post office)—(Official)—Bids will be received by Carl L. Palmer, Village Clk., 2847 Broxton Rd., Shaker Heights, until noon, Feb. 16, for the improvement of a section of the South Moreland Blvd.

Evansville, Ind.—(Official)—Bids will be received by the Commissioners of Vanderburgh County until 10 a.m., Feb. 11, for constructing a road in Perry Township. C. P. Beard is County Audr.

✚New Albany, Ind.—The contract for improving Silver St., from Market St. to Charlestown Rd., has been awarded to M. S. DAVIDSON, Louisville, Ky., at $8091. Other bids were: W. F. Woodruff, Louisville, $9050 and the Southern Asphaltaline Co., $8725.

Benton Harbor, Mich.—Bids will be received by B. Spaulding, City Clk., until Feb. 15, for paving Columbus Ave. with brick. A. R. Wightman is City Engr.

Grand Rapids, Mich.—Bonds for $100,000 were sold Jan. 8, the proceeds of which will be used for constructing and improving roads.

Oakland, Ill.—(Official)—Bids will be received until 1:30 p.m., Feb. 2, for constructing pavements in the Washington District. C. L. James, Mattoon, Ill., is Engr.

Merrill, Wis.—Press reports state that the City Council contemplates paving East Main St., from Mill to Stuyvesant St., with brick.

★**Emmetsburg, Iowa**—(Official)—Bids will be received by the City Clerk, until 2 p.m., Feb. 15, for constructing approximately 40,000 sq.yd. of pavement. For particulars see advertisement under "Contracts to Be Let."

Le Mars, Iowa—Press reports state that bids will be received by the City Clerk, until Feb. 2, for paving South Main St.

✚**Manchester, Iowa**—A contract for paving 10,000 sq.yd. with asphaltic concrete has been awarded to the FORD PAVING CO., Cedar Rapids, Iowa, at $1.65 per sq.yd.

Sioux City, Iowa—Press reports state that the Commissioners of Woodbury County plan to pave 20 miles of road. The estimated cost of the work is $200,000.

✚**Duluth, Minn.**—A contract for constructing five miles of the Agnew Rd. has been awarded by the Board of Commissioners of St. Louis County to C. W. ROOD CONSTRUCTION CO., Grand Rapids, Wis., at $8895.

St. Cloud, Minn.—Press reports state that the City Council contemplates resurfacing St. Germain St. and Fifth Ave., also paving Ninth and Breckenridge Ave.

✚**St. Paul, Minn.**—The contract for grading Juno St. from Edgecumbe Rd. to Hamline Ave. has been awarded to KEOUGH BROS.

Pecos, Tex.—Press reports state that the Reeves County Commissioners' Court will receive bids until Feb. 3 for constructing roads in District No. 1.

Sherman, Tex.—According to press reports the citizens of Grayson County Road District No. 3 will vote, Feb. 20, on the question of issuing $10,000 in bonds for constructing roads.

Wichita Falls, Tex.—At a recent election, the people voted in favor of issuing $45,000 in bonds for paving a number of streets.

Kalama, Wash.—(Official)—Bids will be received by the Commissioners of Cowlitz County, until 2 p.m., Feb. 2, for the improvement of 5300 lin.ft. of the Lewis River Rd. B. O. Olson is Clk. of Bd.

Prosser, Wash.—(Official)—Bids will be received by the Board of Commissioners of Benton County, until 2.30 p.m., Feb. 2, for improving the Kennewick-Finley Rd. L. L. Lynn is County Audr.

Seattle, Wash.—According to press reports, the Board of Public Works has approved plans for paving Utah St., at an estimated cost of $186,000. Bids will soon be opened.

✚**East San Diego, Calif.**—A contract for improving Sisson and other streets has been awarded to OLAF NELSON at $32,734.

✚**Los Angeles, Calif.**—The contract for improving Dacotah St. from Venice to Hollenbeck Ave., has been awarded to F. W. WHITTIER, at $7663.

Hull, Que.—Press reports state that the City Council contemplates constructing asphalt macadam pavements. J. A. Laforest is Engr.

INDUSTRIAL WORKS

✚**Rutland, Vt.**—The Howe Scale Co. has awarded a contract to the BERLIN CONSTRUCTION CO., for reconstructing its foundry, which was recently destroyed by fire.

Framingham, Mass.—The New England Hat Co. will construct a plant to cost $50,000.

✚**Worcester, Mass.**—The contract for the construction of a three-story, 50x120-ft. addition to the plant of the Mills Woven Cartridge Belt Co., on Webster St., has been awarded to the E. J. CROSS CO., 82 Foster St. Noted Dec. 31.

✚**Bridgeport, Conn.**—The contract for the construction of a four-story, 90x134-ft. addition to the plant of the Bridgeport Brass Co., on East Main St., has been awarded to the ABERTHAW CONSTRUCTION CO., 8 Beacon St., Boston, Mass. Fletcher-Thompson, Inc., 1089 Broad St., Bridgeport, has prepared plans.

New Haven, Conn.—The National Folding Box & Paper Co., Alton and James St., has had preliminary plans prepared for the construction of a five-story, 100x350-ft. factory.

Buffalo, N. Y.—(Correction)—The United States Rubber Reclaiming Co., Babcock and Hannah St., will repair its plant recently damaged by fire, with a loss of $75,000. Noted Jan. 14.

✚**New York, N. Y.**—(Borough of Brooklyn)—(Official)—The contract for the construction of an addition to the plant of the Doehler Die Casting Co., 187 Ninth St., has been awarded to the TURNER CONSTRUCTION CO., 11 Broadway, New York.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared by John P. Boyland, Arch., 2526 Webster Ave., for the construction of a six-story, 50x100-ft. warehouse on East 91st St., near Avenue A, for William F. Cunningham, 438 East 91st St. Estimated cost is $50,000.

New York, N. Y.—(Borough of Manhattan)—Frederick H. Gleason has purchased a site on East 56th St., between Third and Lexington Ave., for the construction of a five-story garage. The estimated cost is $100,000.

Poughkeepsie, N. Y.—The Best Made Garment Co. plans to construct a two-story factory on Rose St. The estimated cost is $25,000. Homer J. Bloomer is Pres.

Jersey City, N. J.—Bids are being received by David M. Ach, Arch., 1 Madison Ave., New York, N. Y., for the construction of a five-story, 60x204-ft. plant for the Nagle Packing Co. The estimated cost is $100,000. Noted July 2.

Philadelphia, Penn.—The S. J. Cresswell Iron Works, 23d and Cherry St., contemplates the construction of a three-story addition to its plant.

Philadelphia, Penn.—The Pennsylvania Warehousing & Safe Deposit Co., 113 South Third St., will construct an eight-story, 75x135-ft. reinforced-concrete and brick warehouse at Delaware Ave. and Pine St.

Pittsburgh, Penn.—The P. H. Butler Co., 1203 Liberty Ave., plans to build a warehouse at 17th and Pike St.

Scranton, Penn.—Bids are being received by Albert J. Ward, Arch., Republican Bldg., for the construction of a two-story, 60x300-ft. factory for the Motor Kart Co. Estimated cost, $50,000. G. C. Wolf, Hotel Jermyn, is Pres. Noted Nov. 26.

Waynesboro, Penn.—The Landis Tool Co. plans to construct a two-story, 100x100-ft. addition to its machine shop and a one-story, 40x60-ft. addition to its foundry.

✚**Roanoke, Va.**—Contracts for the construction of a four-story, 50x90-ft. plant, for the Hammond Printing & Lithographing Works, have been awarded to A. L. MARSHALL, Heins Cigar Bldg., general contract; VIRGINIA BRIDGE & IRON CO., structural steel. C. H. Hinnant, Strickland Bldg., is Arch. Noted Dec. 31.

✚**Lexington, N. C.**—The contract for the enlarging of the Erlanger Cotton Mills has been awarded to W. LEE HARBIN, Lexington. The estimated cost is $500,000. J. M. Gamewell is Supt. Noted Apr. 23.

Macon, Ga.—The Neuhoff Abattoir & Packing Co., Nashville, Tenn., will construct a packing and cold-storage plant. The estimated cost is $75,000.

New Orleans, La.—The Louisiana Ry. & Navigation Co. plans to construct a grain elevator at Willow Landing. Estimated cost, $250,000. William Edenborn, Hibernia Bank Bldg., New Orleans, is Pres.

New Orleans, La.—Vaccaro Bros. & Co. has purchased a site for the construction of a plant for cooling fruit cars. The estimated cost is $100,000.

✚**Chattanooga, Tenn.**—The contract for the construction of a plant for the Chattanooga Stamping & Enameling Co., recently incorporated with a capital of $200,000, has been awarded to MARK K. WILSON. Estimated cost, $100,000. Noted Dec. 17 and 24.

✚**Nonconnah, Tenn.**—(Memphis post office)—(Official)—The Illinois Central R.R. has awarded a contract to the RAILWAYS ICE CO., Chicago, Ill., for constructing an ice plant at the Nonconnah yards. Noted under Memphis, Dec. 31.

Henderson, Ky.—The Falls City Box & Basket Co., Louisville, has had plans prepared by Brinton B. Davis, Arch., for the construction of a two-story factory at 21st St. and Magnolia Ave. The estimated cost is $50,000.

✚**Louisville, Ky.**—The contract for the construction of a three-story, 80x210-ft. bakery, for the Grocers' Biscuit Co., 654 South Seventh St., has been awarded to the PARADISE CONSTRUCTION CO. Estimated cost, $40,000. Loomis & Hartmann is Arch. Noted Oct. 8.

Toledo, Ohio—M. Stophlet, Arch., 608 Nasby Bldg., is preparing plans for the construction of a storage warehouse. The estimated cost is $60,000.

Vincennes, Ind.—J. W. Dyer, 107 South Third St., will construct a two-story, 100x100-ft. garage, at Fourth and Busseron St., to be occupied by the Maxwell Motor Car Co. Estimated cost, $12,000.

Chicago, Ill.—Plans are being prepared by Chatten & Hammond, Archs., 64 East Van Buren St., for the construction of a 100x125-ft. factory at 1353 Fulton St., for the Chicago Slate Co. The estimated cost is $15,000.

Chicago, Ill.—L. G. Hallberg, Arch., 19 South La Salle St., has prepared plans for the construction of a six-story addition at 1828 Diversey Blvd., for the Stewart & Clark Mfg. Co. The estimated cost is $75,000.

Green Bay, Wis.—Carr & Walsh, Arch. is preparing plans for the construction of a $40,000 factory for the Alart & McGuire Co. Bids will be received about Mar. 1.

Milwaukee, Wis.—Plans are being prepared by Herman W. Buemming, Arch., 521 Jackson St., for the construction of a three-story, 30x120-ft. warehouse and factory on Milwaukee St., for the C. B. Leidersdorf Tobacco Co., 270 Broadway. Estimated cost, $50,000.

Milwaukee, Wis.—Plans are being prepared by H. Esser, Arch., Camp Bldg., for the construction of a three-story, 40x120-ft. factory, for Seeboth Co., 111 Reed St. Estimated cost, $45,000.

Minneapolis, Minn.—S. H. Holstad & Co., Seventh St., will construct a warehouse at 601 Fourth St., N. It will be in two units, one of which will be four stories, 40x150 ft.

St. Paul, Minn.—The Northern Insulating Co. will construct a fireproof building on Wabash Ave., between Hampton and Raymond Ave. Estimated cost, $25,000.

Hutchinson, Kan.—The William Kelly Milling Co. plans the construction of a 40x60-ft. addition at Main St. and the Chicago, Rock Island & Pacific Ry. The estimated cost is $50,000.

Wichita, Kan.—Colcord & Carroll, Oklahoma, Okla., will construct a two-story refinery at Tenth and Water St. The estimated cost is $40,000.

Kansas City, Mo.—The Chicago & Alton R.R. plans to construct a grain elevator, to have a capacity of 500,000 bu., at East Bottom. The estimated cost is $150,000. H. T. Douglas, Jr., Chicago, Ill., is Ch. Engr.

✚**Galveston, Tex.**—The contract for the construction of the 1,000,000-bu. grain elevator for the Southern Pacific Terminal Co., a subsidiary of the Southern Pacific Co., has been awarded to JAMES STEWART & CO., St. Louis, Mo. The estimated cost is $500,000. Noted Dec. 31.

Houston, Tex.—The Houston Ice & Brewing Co. will construct a two-story storage building at Franklin Ave. Estimated cost, $50,000.

Tulsa, Okla.—The Nichols Wire Co., Kansas City, Mo., will construct a 100x140-ft. fireproof warehouse. J. C. Letcher, Secy. of the Commercial Club, is interested.

Spokane, Wash.—The Inland Empire Paper Co. is contemplating the construction of a $200,000 sulphide plant at Spokane.

Medford, Ore.—F. S. Bromwell and A. Nibley, Salt Lake City, Utah, contemplate constructing a sugar beet factory, to cost about $500,000.

Portland, Ore.—The Coin Machine Mfg. Co. has purchased a three-acre site at East 17th and Alice St., for the construction of factories. The first building to be constructed will be a two-story fireproof factory, estimated to cost $50,000.

†San Francisco, Calif.—The contract for the construction of a two-story bakery at Bryant and 17th St., for the John Center Co., has been awarded to CHARLES W. GOMPERTZ, 503 Marshall St. Estimated cost $40,000. Noted Dec. 10.

Ottawa, Ont.—R. P. Sims, 10 Cathcart St., Montreal, Que., is preparing plans for the construction of a municipal abattoir. The estimated cost is $100,000.

†New Westminster, B. C.—The contract for the construction of the first unit of the warehouse for the Brackman-Ker Milling Co. has been awarded to LORD, BUCKLAND & DEAN. Noted Sept. 24 and Oct. 29.

FEDERAL GOVERNMENT WORK

Storehouse—Fort Constitution, N. H.—(New Castle post office)—Bids will be received by the Coast Defense Commander, Fort Constitution, until noon, Feb. 15, for constructing a storehouse.

†Locomotive Crane—Boston, Mass.—The contract has been awarded by the Bureau of Yards and Docks for furnishing one 15-ton locomotive crane at the Boston Navy Yard to the AMERICAN HOIST & DERRICK CO., St. Paul, Minn., at $5349. Noted Dec. 24 and Jan. 21.

†Dredging—Portchester, N. Y.—Bids will be received by Col. W. M. Black, Army Bldg., 39 Whitehall St., New York, N. Y., until noon, Feb. 23, for dredging in Portchester Harbor.

Repairs To Wharf—New York, N. Y.—(Borough of Brooklyn)—Bids will be received by the Quartermaster, Fort Hamilton, until noon, Feb. 20, for making repairs to the wharf at Fort Hamilton.

Repairing Vessel—New York, N. Y.—(Borough of Richmond)—Bids will be received by the Lighthouse Inspector, Tompkinsville, S. I., until 2 p.m., Feb. 9, for repairing, docking, cleaning and painting the U. S. lighthouse tender "John Rodgers."

†Dredging—Philadelphia, Penn.—The contract for dredging in the Delaware River, below Philadelphia, has been awarded to the AMERICAN DREDGING CO., Philadelphia, at $209,575.

★Boardwalk—Philadelphia, Penn.—Bids will be received until 2 p.m., Feb. 19, by the Lighthouse Inspector, Philadelphia, for constructing an elevated boardwalk at Bellevue Range Rear Lighthouse, Del.

Light Vessels—Washington, D. C.—Bids will be received by the Bureau of Light Houses, Dept. of Commerce, Washington, D. C., until 2 p.m., Feb. 24, for constructing and equipping two single steel, oil-engine propelled light vessels, Nos. 101 and 102.

Barracks and Officers' Quarters—Fort Myer, Va.—Bids will be received by the Quartermaster, until 11 a.m., Feb. 11, for constructing a quartermaster corps barracks and a three-set noncommissioned officers' quarters.

†Post Office—Kinston, N. C.—The contract for the construction of the post office at Kinston has been awarded to WESTCHESTER ENGINEERING CO., White Plains, N. Y., at $53,100. Noted Dec. 10 and Jan. 21.

★Jetty Construction—Savannah, Ga.—Bids will be received by Col. W. C. Langfitt, U. S. Engineer Office, Savannah, until noon, Feb. 24, for placing stone in jetty at Savannah Harbor.

★Lock Gates—Louisville, Ky.—Bids will be received by Maj. J. C. Oakes, U. S. Engineer Office, Louisville, until noon, Feb. 25, for furnishing and erecting three mitering lock gates of two leaves each, for Lock No. 41, Ohio River.

†Post Office—Middlesboro, Ky.—The contract for the construction of the post office at Middlesboro, has been awarded to JOHN G. UNKEFER & CO., Minerva, Ohio, at $62,480. Noted Nov. 12. and Jan. 7.

★Towboats—Cincinnati, Ohio — Bids will be received by Lieut.-Col. H. Jervey, U. S. Engineer Office, Cincinnati, until 2 p.m., Feb. 26, for constructing and delivering two steel sternwheel towboats, "Cayuga" and "Ottawa."

★Reconstructing Pier—Michigan City, Ind.—The following bids were received for reconstructing, with piles and timber, part of the East Pier in Michigan City: Burk, Smith & Nelson, Muskegon, Mich., $25,280; Greiling Bro. Co., Green Bay, Wis., $29,870; Robert A. Love & Son, Muskegon, Mich., $25,658; Great Lakes Dredge & Dock Co., Chicago, Ill., $27,614; Fitz Simons & Connell Dredge & Dock Co., Chicago, $29,584; Byrne Bros. Dredge & Engineering Co., Chicago, $36,928. Noted Dec. 24.

Hospital—Red Lake, Minn.—Bids will be received by Cato Sells, Comr., Indian Affairs, Washington, D. C., until 2 p.m., Feb. 15, for constructing a frame hospital at the Red Lake Agency.

Remodeling Building—St. Louis, Mo.—The following are the bids received for remodeling the Custom House: North St. Louis Building & Material Co., Mermod Jaccard Bldg., St. Louis, Mo., $25,772; Wharton Building & Supply Co., 2424 Oriole Ave., St. Louis, Mo., $26,457; Southern Construction Co., Overland, Mo., $27,795; General Construction Co., Milwaukee, Wis., $36,860; Duffmer & Stecker Construction Co., 722 Chestnut St., St. Louis, Mo., $37,500; Cudmore Construction Co., 722 Chestnut St., St. Louis, Mo., $38,949; Newport Contracting & Engineering Co., Newport News, Va., $39,271; Kremer & Voirol Construction Co., 810 Olive St., St. Louis, Mo., $40,664; Daniel Evans Construction Co., St. Louis, Mo., $42,665; Hiram Lloyd Building & Construction Co., Odd Fellows' Bldg., St. Louis, Mo., $43,167; V. E. Taylor, Huntington, W. Va., $43,950; Kellerman Construction Co., 510 Pine St., St. Louis, Mo., $46,920; Herman Construction Co., Title Guaranty Bldg., St. Louis, Mo., $47,475; E. A. Steininger, Victoria Bldg., St. Louis, Mo., $47,925; S. L. Jones Building Co., 717 Locust St., St. Louis, Mo., $54,580; Gellick Bros., St. Louis, Mo., $73,988. Noted Dec. 17.

★Motor Dredge Tender—Galveston, Tex. — Bids will be received until noon, Feb. 23, by Lieut.-Col. C. S. Riche, Trust Co. Bldg., Galveston, for constructing motor dredge tender "La Porte."

Post Office—Uvalde, Tex.—Bids were received as follows for the construction of a post office at Uvalde, (a) limestone; (b) sandstone: George Hinchliff & Co., Chicago, Ill., (a) $51,110, Reveron Construction Co., Uniontown, Ala., (a) $38,493; (b) $38,691; Dieter & Wenzel Construction Co., Wichita, Kan., (a) $54,587; W. R. Weston, San Antonio, Tex., (a) $52,332; (b) $53,300. Noted Dec. 17.

†Post Office—El Reno, Okla.—The contract for the construction of a post office at El Reno has been awarded to the GEORGE W. STILES CONSTRUCTION CO., Rookery Bldg., Chicago, Ill., at $66,126. Noted Oct. 22 and Dec. 3.

Canal Work—Payson City, Utah—Bids will be received by the U. S. Reclamation Service, Provo, Utah, until 2 p.m., Feb. 3, for the construction of the High Line Canal, Division Four, and appurtenant structures, Strawberry Valley Project, Utah. The work involves about 155,000 cu.yd. of excavation for canals; 2600 cu.yd. of excavation for structures; 1250 cu.yd. of reinforced-concrete; 467,000 sq.ft. of concrete canal lining. It is located near Payson City, Utah County, Utah, on the San Pedro, Los Angeles & Salt Lake R.R. and the Tintic Branch of the Denver & Rio Grande R.R.

★Canal Work—Payson City, Utah—Bids will be received by the U. S. Reclamation Service, Provo, Utah, until 2 p.m., Feb. 24, for the construction, involving 49,000 yd. of canal excavation and 3670 yd. of reinforced concrete. For particulars see advertisement under "Contracts To Be Let."

Cofferdam—Seattle, Wash.—Bids will be received by Maj. J. B. Cavanaugh, Burke Bldg., Seattle, until noon, Feb. 17, for excavating and removing an existing cofferdam and constructing a new cofferdam at the Puget Sound-Lake Washington lock site, Seattle.

★Jetty Construction—Lone Tree, Wash.—Bids will be received by Maj. J. B. Cavanaugh, Burke Bldg., Seattle, Wash., until noon, Feb. 10, for delivering stone for jetty construction at Lone Tree.

Bungalows—Mare Island, Calif.—(Vallejo post office)—Bids will be received by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a.m., Feb. 20, for constructing two bungalows at Mare Island. H. R. Stanford is Chief, Bureau of Yards and Docks.

†Dredging—Oakland, Calif.—Contracts for dredging in Oakland Harbor, have been awarded to THOMAS CARLIN SONS CO., Pittsburgh, Penn., at $3530 and R. A. PERRY, Oakland, Calif., at $45,520. Noted Dec. 12.

Foundations—San Diego, Calif.—Bids will be received by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., until 11 a.m., Feb. 27, for the construction of nine foundations for radio towers at Chollas Heights, San Diego, three at Pearl Harbor, H. T., and three at Cavite, P. I.

Foundations—Pearl Harbor, H. T.—See item under San Diego, Calif.

Locomotive Cranes—Pearl Harbor, H. T.—Bids were received for furnishing and erecting two 15-ton locomotive cranes at the Naval Station, Pearl Harbor, Hawaii, as follows: Brown Hoisting Machinery Co., Cleveland, Ohio, $16,750; Industrial Works, Bay City, Mich., $17,385; American Hoist & Derrick Co., St. Paul, Minn., $18,785, alternate, $14,385; Link-Belt Co., Chicago, Ill., $17,336; Browning Engineering Co., Cleveland, Ohio, $15,910. Noted Dec. 24.

Structural Steel—Panama—Bids were received Jan. 23 by Maj. F. C. Boggs, General Purchasing Officer, the Panama Canal, Washington, D. C., for furnishing the structural steel framing and accessory parts for a steel and concrete deck for Pier No. 7, forming a part of the Atlantic Terminal Piers of the Panama R.R. The work included: 10,755,000 lb. structural steel for pedestals, including anchor bolts and nuts; erecting bolts, etc., exclusive of pedestals; 245,000 lb. structural steel for pedestals, including anchor bolts and nuts; 4300 lb. steel crossties; 57,200 lb. soft-steel forgings for rail chairs; 208,500 lb. open-hearth steel rails, tie-rods, and low-carbon steel splice bars; 13,900 lb. soft-steel castings for gratings; 24,600 lb. standard wrought-iron or steel pipe, black; 36,250 lb. gray iron castings for mooring bitts; 34,000 lb. drift pins, bolts, nuts and washers for securing wooden fenders and mooring bitts and two Ellis patent freight car bumping posts: Bids were asked as follows: (A) Material fabricated and delivered at Colon, (A1) same, cost of carriage from New York to Colon, being paid by the Government; (B) Material fabricated, delivered and erected on foundations furnished by the Panama Canal; (B1) same, cost of carriage New York to Colon being paid by the Government. Bids were as follows: McClintic-Marshall Construction Co., Pittsburgh, Penn., $261,251; (A1) $208,883; (B) $310,508; (B1) $258,141. J. B. Kendal Co., Washington, D. C. (for Jones & Laughlin Co.), (A1) $224,161. Riter-Conley Co., Leetsdale, Penn., (A1) $204,029. Pennsylvania Steel Co., Steelton, Penn., (A) $233,032; (A1) $185,241. United States Steel Products Export Co., 30 Church St., New York, N. Y., (A) $225,254; (B) $258,437.

Foundations—Phillipine Islands—See item under San Diego, Calif.

MISCELLANEOUS

Station Improvements—Boston, Mass.—Bids will be received until Jan. 28 by the Transit Commission, 15 Beacon St., for furnishing and laying 4100 sq.yd. of concrete platform in the Washington Station, Dorchester Tunnel. E. S. Davis is Ch. Engr.

†Dredging—New York, N. Y.—(Boroughs of Manhattan, Brooklyn, Queens, the Bronx and Richmond)—(Official)—The Commissioner of Docks has awarded the contract for dredging 80,000 cu.yd. in the East and Harlem Rivers to WILLIAM BEARD, at 18.7c. per cu.yd. The contract for dredging in the North River was awarded to MORRIS & CUMMINGS, at 11.83c. per cu.yd. Noted Jan. 14 and 21.

Roofing—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received by the Department of Charities, Jan. 20, for roofing work on the children's hospital and schools, Randalls Island, as follows: Newman & Siegler, $10,595; M. D. Lundin, $10,778; Spuyten Duyvil Construction Co., $10,826; Neptune B. Smith, $10,883; Morris Krumholz, $11,500; J. Langner, $11,610; Anchor Corrugating Construction Co., Inc., $11,628. Noted Jan. 14.

Paving Supplies—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by Marcus M. Marks, Borough Pres., until 2 p.m., Feb. 1, for furnishing 12,000 bags of portland cement, 3500 tons of refined asphalt, 3000 tons of limestone dust, 8000 cu.yd. of binder stone, 1000 tons of portland cement. Specifications may be had at the offices of the Commissioner of Public Works, Room 2124, Municipal Bldg.

Dredging—Baltimore, Md.—(Official)—The following bids were received Jan. 20 by the Board of Awards for dredging the main channel from Lazaretto Light to the piers of the transatlantic liners: Coastwise Dredging Co., $142,400; Maryland Dredging & Contracting Co., $149,000; Morris & Cummings Dredging Co., $156,600; Sanford & Brooks Co., $165,225; American Dredging Co., $191,875; Atlantic, Gulf & Pacific Co., $214,600; P. Sanford Ross, Inc., $224,600. Noted Jan. 7.

Swimming Pool—Baltimore, Md.—Local press reports state that Frederick Olmsted, Boston, Mass., has been commissioned to prepare plans for the conversion of Mt. Royal Reservoir, in Druid Hill Park, into a swimming pool.

Crushing, Elevating and Screening Machinery—Petersburg, Va.—The Wakefield Granite Quarries, A. B. Cook, Pres., will receive bids for repairing No. 2 Climax crusher, for furnishing elevating and screening machinery and for installing a gravel and stone-washing plant.

Motor Fire Apparatus—Newbern, N. C.—F. T. Patterson, City Clk., will receive bids until Feb. 1 for furnishing the city with a triple combination, motor-driven fire engine, having not less than 800 gal. per min. capacity.

Drainage—Parish, Fla.—The Drainage Committee has engaged Charles S. Hill, Engr., Palmetto, Fla., to make a survey for the construction of the Gamble Creek drain. This will result in the reclamation of about 30,000 acres. The estimated cost is $100,000.

Seawall—West Palm Beach, Fla.—The Council has rejected all bids received on Jan. 5, for the construction of the proposed seawall. The work will be readvertised. L. T. Lockwood is Pres. of the Council. J. B. McCrary Co., Atlanta, Ga., are Engrs. Noted Oct. 8 and Dec. 24.

Drainage—Oberlin, La.—The Oberlin Drainage District No. 3, S. J. Iles, Pres., plans to construct a canal into the Bayou Blue, draining the marshes north and east of Oberlin and the swamp to the south.

Dump Cars, Locomotives and Derrick—Cincinnati, Ohio—Thaw & Williams, Bell Blk., will receive bids for 30 six-yard, two-way, dump cars, 36-in. or standard gage; one stiff-leg, or guy derrick, 50-ft. boom; and four 18- to 20-ton saddle-tank locomotives, 36-in. or standard gage.

Levees and Flood Protection—Vincennes, Ind.—(Official)—A report will be made shortly on flood protection for the district south of Vincennes, comprising 60,000 acres. The report was completed about two years ago, but the flood of March, 1913, made it necessary to revise the plans and include new territory. The estimated cost of the project is $430,000. J. S. Spiker, Vincennes, is Engr.

Motor Police Patrol and Ambulance—Oshkosh, Wis.—Bids will be received until 2 p.m., Jan. 28, by R. A. Hollister, Chmn., Bd. Pub. Wks., for furnishing combination motor-driven ambulance and patrol. Bids will also be received for a motor service truck with ladders.

Drainage—Wapello, Iowa—According to press reports, bids will be received by the supervisors of Muscatine and Louisa Counties on Feb. 5 for the purchase of $278,127 drainage bonds.

✚Ditch—Ada, Minn.—The following contracts have been awarded for the construction of Judicial Ditch No. 42: Excavating 470,000 cu.yd., UNION DRAINAGE CO., Stephen, Minn., at 9c. per cu.yd.; erecting 27 steel bridges, SECURITY BRIDGE CO., Minneapolis, at $1175 each; concrete culverts, M. R. HUSSEY, Crookston, at $336 each. C. D. Simpson is Dep. County Audr. Noted Dec. 24.

Ditch—Bemidji, Minn.—Bids will be received until Feb. 8 by J. L. George, County Audr., for the construction of Judicial Ditch No. 27, 30 miles in length. Specifications call for 231,182 cu.yd. of earth excavation and the construction of a highway. The estimated cost is $52,214.

Ditches—Jackson, Minn.—Press reports state that bids will be received until Feb. 3 by P. O. McKellar, County Audr., for the construction of Judicial Ditches 32, 33 and 36, all tile. They are estimated to cost $29,578, $54,002 and $5842, respectively.

Dock—St. Paul, Minn.—An ordinance has been introduced in the City Council providing for the construction of a municipal dock.

✚★Drainage—Talmage, Neb.—(Official)—The following bids were received Jan. 11 for the construction of ditches in Drainage District No. 1, Johnson and Otoe Counties: FREDERICK M. CRANE, Omaha, Neb., $115,090 (awarded contract); R. B. Gordon & Co., Salina, Ohio, $125,502; Inter-Mountain Bridge & Construction Co., Tecumseh, Neb., $126,840; W. M. Lana, Council Bluffs, Iowa, $131,792; Edward Peterson Co., Omaha, Neb., $121,907; O. P. Herrick, Des Moines, Iowa, $136,212; Yale & Ragean, Chicago, Ill., $149,919; Sternberg Bros., Pine Bluff, Ark., $132,491; Munn-Raise Construction Co., Kansas City, Kan., $125,552; W. E. Callahan Construction Co., Omaha, Neb., $152,711; C. D. Campbell, Lincoln, Neb., $110,590; Winston Bros., Minneapolis, Minn., $147,918; D. C. Stephens, Buffalo, N. Y., $143,493. Schwaderer & Shannon is Engr. Noted Dec. 10.

Drainage District—Atchison, Kan.—A bond issue of $60,000 will soon be offered, the proceeds to be used in improving the Delaware River drainage district. The entire enterprise, which includes the straightening of the Delaware River south of Muscotah to the county line, will cost about $100,000.

✚Drainage—Edina, Mo.—(Official)—Bids will be received until 11 a.m., Feb. 18, by the Supervisors of Fabius Drainage District No. 3, at the office of F. H. McCullough, Edina, for the construction of channels. The specifications call for 500,000 cu.yd. of channel excavation, divided into two sections. For details see advertisement under "Contracts to Be Let."

✚Ditch—Maryville, Mo.—Press reports state that the Board of County Supervisors Jan. 8 awarded the contract for the construction of the Frayne, Stratford and Larson drainage ditches to JENS JENSEN, Williams, at $24,555. The contract for tile was awarded to the NATIONAL SEWER PIPE CO., Maryville, at $9033.

Mausoleum—St. Louis, Mo.—The Valhalla Mausoleum Co., 718 Boatmen's Bank Bldg., will construct a one-story granite mausoleum. The estimated cost is $240,000.

Grandstand—Little Rock, Ark.—The city contemplates the construction of a reinforced-concrete grandstand at the West End Park Athletic Field. The seating capacity will be 3000.

Dredging and Filling—Seattle, Wash.—The City Council has under consideration a petition for dredging Oxbow Bend of the Duwamish River and filling the lowland with the material excavated. The estimated cost is $30,000.

Cement—Seattle, Wash.—Bids will be received by the Port of Seattle Commission until Feb. 10 for furnishing 20,000 bbl. of portland cement. O. E. Remsberg is Secy.

✚Drainage—Walla Walla, Wash.—The Commissioners of the Attalia Drainage District have awarded the contract for the construction of a system serving 2500 acres to JAMES C. BROAD, Spokane, at about $48,000. Noted Jan. 7.

Pier—Richmond, Calif.—The statement published in the issue of Jan. 21 was an error. All bids for the construction of the municipal wharf have been rejected. P. A. Haviland, Consult Engr., 310 Sansome St., San Francisco, will revise plans. A. C. Faris is City Clk.

Fire Station—San Francisco, Calif.—(Official)—Plans for the proposed fire station at Post and Polk St. have not been prepared yet, nor the architect chosen. The contract will not be let for about five months. Noted Jan. 14.

✚Waterfront Improvements—San Francisco, Calif.—The Panama-Pacific International Exposition Co. has awarded a contract for the construction of a waterfront entrance on Webster St., to the WESTERN BUILDING & ENGINEERING CO., at $19,755.

✚Pier—San Francisco, Calif.—The State Board of Harbor Commissioners has awarded a contract for the construction of pier No. 24, at the foot of Harrison St., to the HEALY-TIBBITTS CONSTRUCTION CO., at $98,300. Noted Jan. 7.

Elimination of Grade Crossings—Brantford, Ont.—(Official)—T. Harry Jones, City Engr., writes that work for the elimination of the grade crossing at St. Paul Ave. will include the construction of a subway, 42 ft. wide, and the approaches at St. Paul Ave. The estimated cost is $40,000. Application for apportionment of the cost has not been made yet. Noted Jan. 14.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous."

✚Boston, Mass.—The contract for the construction of Police Station No. 19 has been awarded to JOHN BOWEN at $55,333.

✚Boston, Mass.—(Official)—The contract for the construction of a six-story, 92x154-ft. fireproof building on School St. has been awarded to the NATIONAL FIRE PROOFING CO., 120 Franklin St. C. Howard Walker is Arch.

Holyoke, Mass.—Plans are being prepared by G. P. Alderman & Co. for the construction of the Lawrence School. It will be two stories, 180x260 ft. Estimated cost, $225,000. Francis McSherry is Supt. of Schools.

✚Plymouth, Mass.—The contract for the construction of a three-story, 48x116-ft. theater, for Arthur Emond, has been awarded to PAYSON & CONNOLLY. Estimated cost $40,000. R. T. C. Jackson, 29 Oak St., Boston, is Arch.

✚New Britain, Conn.—(Official)—The contract for the construction of a two-story high school has been awarded to THOMAS W. CROWE, at $105,401. Walter P. Crabtree is Arch. Noted Jan. 14.

✚Waterbury, Conn.—(Official)—The contract for the construction of a two-story, 87x120-ft. school has been awarded to the GEORGE S. CHATFIELD CO., Canal St., at $67,537. Louis A. Walsh is Arch.

Albany, N. Y.—The State of New York contemplates the construction of an 11-story, 80x200-ft. office building for the state department. The estimated cost is $1,250,000. Lewis F. Pilcher is State Arch.

★Binghamton, N. Y.—(Official)—Bids were received Jan. 21 by the State Hospital Commission, Capitol, Albany, for the construction of a building for chronic patients at the Binghamton State Hospital, as follows: William F. Fulton, Buffalo, N. Y., $168,987; George B. Long, Worcester, Mass., $161,800; Emerson Building Co., New York, N. Y., $164,500; R. T. Ford Co., Rochester, N. Y., $171,372; Durolithic Co., Buffalo, N. Y., $159,700; Lathrop, Shea & Henwood Co., Scranton, Penn., $178,395; Dekimpe Construction Co., Hoboken, N. J., $174,600; Maurice Mead, Albany, N. Y., $207,000; Oscawana Building Co., New York, N. Y., $169,970; Peter Keeler Building Co., Albany, N. Y., $181,322; J. F. Growe Construction Co., Albany, N. Y., $176,975; Carleton Co., Inc., New York, N. Y., $179,525; Aroido Barbaresi, Mt. Vernon, N. Y., $171,932; A. E. Stephens Co., New York, N. Y., $172,000; Feeney & Sheehan Building Co., Albany, N. Y., $180,000; O'Brien Construction Co., Syracuse, N. Y., $192,244. Lewis M. Farrington is Asst. Secy., Comn. Noted Jan. 7.

Buffalo, N. Y.—The City of Buffalo has approved plans prepared by the Lehigh Valley R.R. for the construction of terminals at Main and Scott St.; also for freight terminals, viaducts and approaches at Washington St. Bids will soon be received. Estimated cost is $5,000,000.